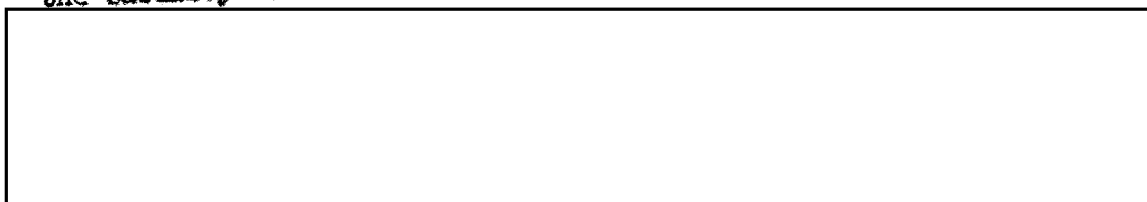


31 January 1967

MEMORANDUM FOR: Deputy Director for Intelligence

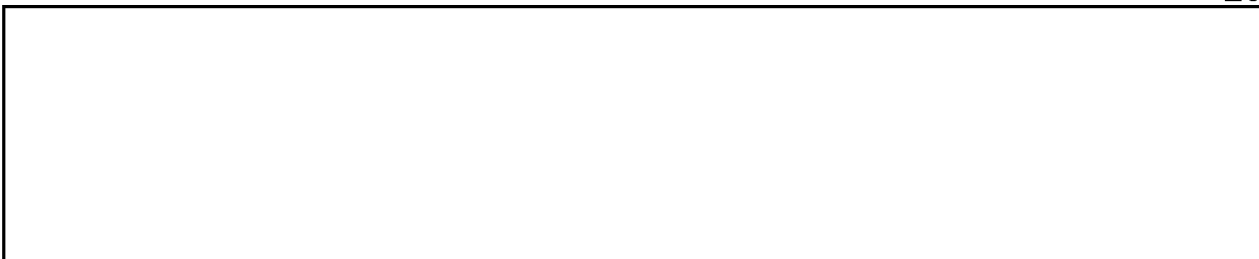
SUBJECT : Estimates of Casualties in North Vietnam

1. This memorandum is for your information and summarizes the casualty estimates from air attack in North Vietnam.



	<u>1965</u>	<u>Jan-Sept 1966</u>	<u>Total</u>
Civilians	<u>6,000</u>	<u>11,900</u>	<u>17,900</u>
Attacks on Fixed targets	<u>2,000</u>	<u>700</u>	<u>2,700</u>
Attacks on armed reconnaissance missions	4,000	11,200	15,200
Military	<u>7,200</u>	<u>3,800</u>	<u>11,000</u>
Attacks on fixed targets	<u>4,300</u>	<u>400</u>	<u>4,700</u>
Attacks on armed reconnaissance missions	2,900	3,400	6,300
TOTAL	<u>13,200</u>	<u>15,700</u>	<u>28,900</u>

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DIA review(s) completed.

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**Estimated Casualties from Rolling Thunder
1965-66**

	<u>1965</u>	<u>1966^{a/}</u>	<u>Total</u>
Civilians	<u>6,000</u>	<u>17,900 to 20,200</u>	<u>23,900 to 26,200</u>
Fixed targets	2,000	900	2,900
Armed reconnaissance	4,000	17,000 to 19,300	21,000 to 23,300
Military	<u>7,200</u>	<u>4,650</u>	<u>11,850</u>
Fixed targets	4,300	400	4,700
Armed reconnaissance	2,900	4,250	7,150
TOTAL	<u>13,200</u>	<u>22,550 to 24,850</u>	<u>35,750 to 38,050</u>

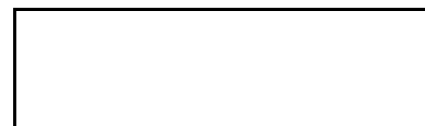
a/ Preliminary estimates.

5. You will note that the casualty figures for 1965 are identical in both tables. The full year 1966 figures are labeled preliminary because a range has been introduced on civilian casualties from armed reconnaissance. The lower end of the range, 17,000 has been derived by the same methodology used previously in all reports. The upper end of the range is weighted by a new factor -- tons of ordnance dropped. We are not certain that this method yields a more accurate result; it is still being discussed with DIA analysts. Hence, we called 1966 preliminary and showed the results of both methods. Our best estimate is that the old method (lower end of range) will prevail, but we'd like to carry on the discussions briefly.

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6. You will note that the methodology question concerns only civilian armed reconnaissance casualties. Civilian casualties from strikes on fixed targets and military casualties from all causes rest on other methodologies and are not in question.



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Deputy Director
Research and Reports

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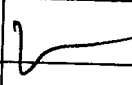
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Remarks:

1. Herewith the casualty data.
2. You may be interested to know that Brig. Gen. David Liebman, Military Asst. to the Asst. Secretary (Public Affairs), DOD, has accepted our sortie calculations on fixed targets and rejected DIA's. This is a small change (10,000, CIA vs. 27,000, DIA).

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